

09/990,499

* * * * * STN Columbus * * * * *

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L1 STRUCTURE UPLOADED

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L3 8 SEA SSS FUL L1

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L4 2 L3

=> d ibib abs hitstr 1-2

L4 ANSWER 1 OF 2 CA COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 137:362928 CA

TITLE: Design and pharmacology of N-[(3R)-1,2,3,4-tetrahydroisoquinolinium-3-ylcarbonyl]-(1R)-1-(4-chlorobenzyl)-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)piperidin-1-yl]-2-oxoethylamine (1), a potent, selective, melanocortin subtype-4 receptor agonist

AUTHOR(S): Sebhat, Iyassu K.; Martin, William J.; Ye, Zhixiong; Barakat, Khaled; Mosley, Ralph T.; Johnston, David B. R.; Bakshi, Raman; Palucki, Brenda; Weinberg, David H.; MacNeil, Tanya; Kalyani, Rubana N.; Tang, Rui; Stearns, Ralph A.; Miller, Randy R.; Tamvakopoulos, Constantin; Strack, Alison M.; McGowan, Erin; Cashen, Doreen E.; Drisko, Jennifer E.; Hom, Gary J.; Howard, Andrew D.; MacIntyre, D. Euan; van der Ploeg, Lex H. T.; Patchett, Arthur A.; Nargund, Ravi P.

CORPORATE SOURCE: Departments of Chemistry, Pharmacology, Obesity Research, and Drug Metabolism, Merck Co. Inc., Rahway, NJ, 07065-0900, USA

SOURCE: Journal of Medicinal Chemistry (2002), 45(21), 4589-4593

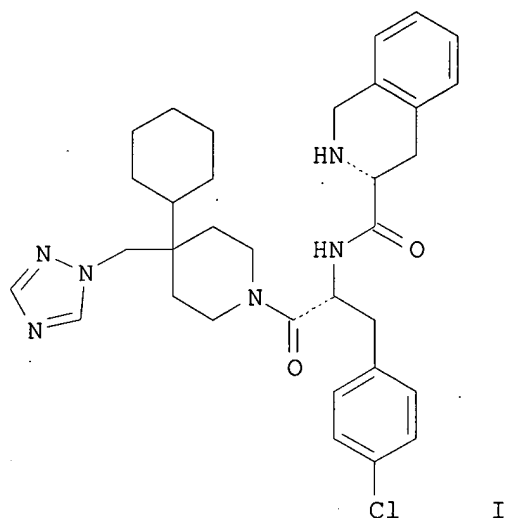
CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Synthetic and natural peptides that act as nonselective melanocortin receptor agonists have been found to be anorexigenic and to stimulate erectile activity. We report the design and development of (I), a potent, selective (1184-fold vs. MC3R, 350-fold vs. MC5R), small-mol. agonist of the MC4 receptor. Pharmacol. testing confirms the food intake lowering effects of MC4R agonism and suggests another role for the receptor in the stimulation of erectile activity.

IT **312637-48-2P 312637-80-2P 475095-01-3P 475095-02-4P**

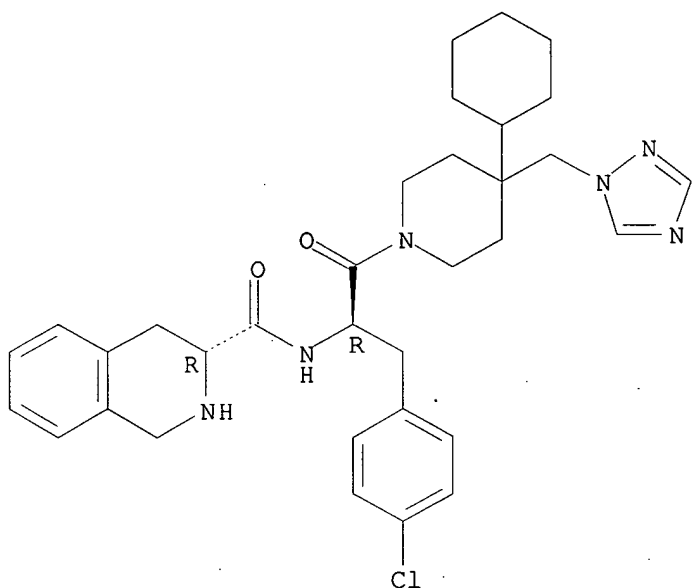
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(design and pharmacol. of melanocortin 4 receptor agonist)

RN 312637-48-2 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

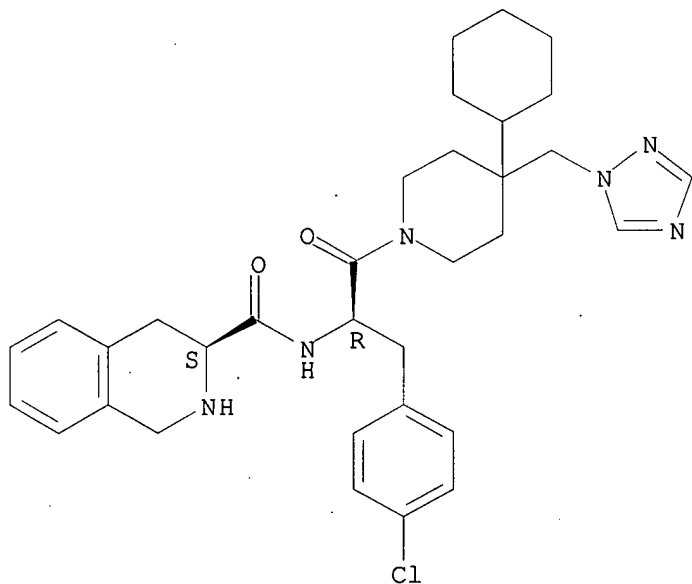
09/990,499



RN 312637-80-2 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3S)- (9CI) (CA INDEX NAME)

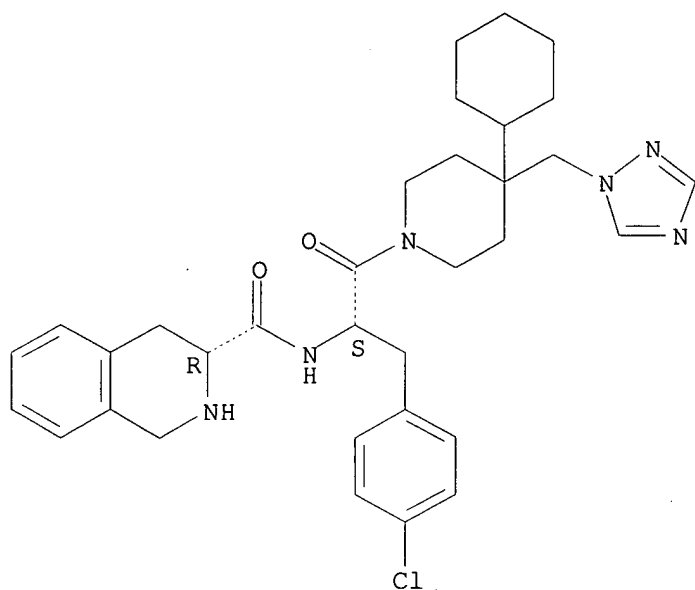
Absolute stereochemistry.



RN 475095-01-3 CA

CN 3-Isoquinolinecarboxamide, N-[(1S)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

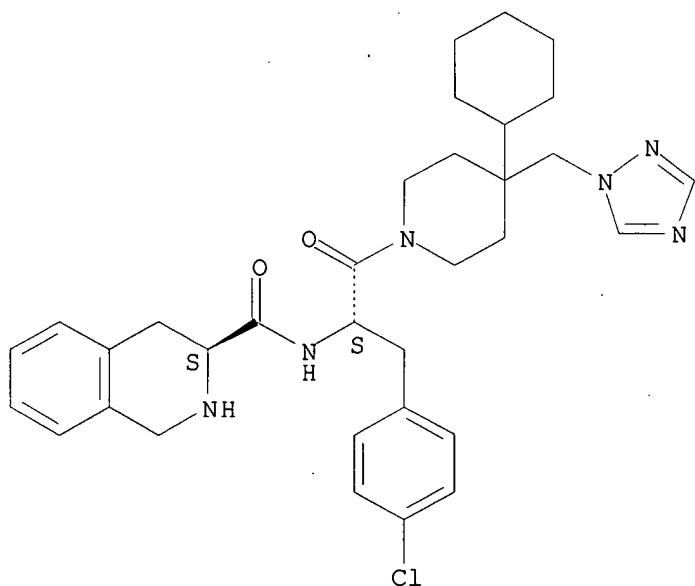
Absolute stereochemistry.



RN 475095-02-4 CA

CN 3-Isoquinolinecarboxamide, N-[(1S)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CA COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 134:42445 CA

TITLE: Preparation of piperidine amino acid derivatives as

melanocortin-4 receptor agonists
 INVENTOR(S): Bakshi, Raman K.; Barakat, Khaled J.; Nargund, Ravi
 P.; Palucki, Brenda L.; Patchett, Arthur A.; Sebhat,
 Iyassu; Ye, Zhixiong; Van, Der Ploeg Leonardus H. T.
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA; Van Der Ploeg, Leonardus H. T.
 SOURCE: PCT Int. Appl., 124 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000074679	A1	20001214	WO 2000-US14930	20000531
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1187614	A1	20020320	EP 2000-937961	20000531
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2003505435	T2	20030212	JP 2001-512328	20000531
US 6350760	B1	20020226	US 2000-585111	20000601
US 2002137664	A1	20020926	US 2001-990499	20011121
PRIORITY APPLN. INFO.:			US 1999-137477P	P 19990604
			US 1999-169209P	P 19991202
			WO 2000-US14930	W 20000531
			US 2000-585111	A3 20000601
OTHER SOURCE(S):	MARPAT 134:42445			
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Piperidine derivs. I [R2C2 = aryl, 5- or 6-membered heteroaryl or heterocyclyl, 5- to 7-membered carbocyclyl, which may be substituted; L = (CRb2)m, where Rb = H, alkyl, (CH2)n-cycloalkyl or -aryl; m = 0-2, n = 0-3; X, Y = (CH2)0-2; Ra = H, alkyl, (CH2)n-cycloalkyl, -aryl, -heteroaryl, -O(CH2)n-aryl, which may be substituted; Re = H, alkyl, (CH2)n-aryl, -cycloalkyl, -heteroaryl, which may be substituted, acyl, sulfonyl, etc.; R1 = H, alkyl, (CH2)n-cycloalkyl, -aryl, -heteroaryl, -heterocyclyl; R2 = any group given for R1, CN, (CH2)n-carboxamido, -carboxy, -acylamino, sulfonylamino, -amino, etc.] were prepd. as agonists of the human melanocortin receptors, in particular, the human melanocortin-4 receptor (MC-4R). They are therefore useful for the treatment, control, or prevention of diseases and disorders responsive to the activation of MC-4R, such as obesity, diabetes, sexual dysfunction, including erectile dysfunction and female sexual dysfunction. Thus, II trifluoroacetate, prepd. by coupling of Et 1-(D-4-chlorophenylalanyl)-4-cyclohexyl-4-[(1,2,4-triazol-1-yl)methyl]piperidine trifluoroacetate (prepn. given) with N-tert-butoxycarbonyl-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid (Boc-D-Tic), was > 2,200-fold, > 10,000-fold, and >

09/990,499

580-fold selective for the human MC-4R over human MC-1R, MC-2R, and MC-3R, resp.

IT 312637-48-2P 312637-49-3P 312637-81-3P
312639-77-3P 312639-78-4P

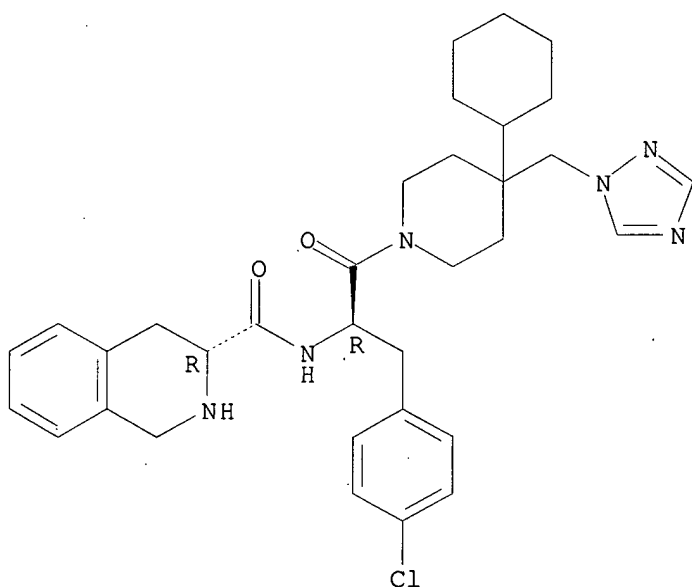
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of piperidine amino acid derivs. as melanocortin-4 receptor agonists)

RN 312637-48-2 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 312637-49-3 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

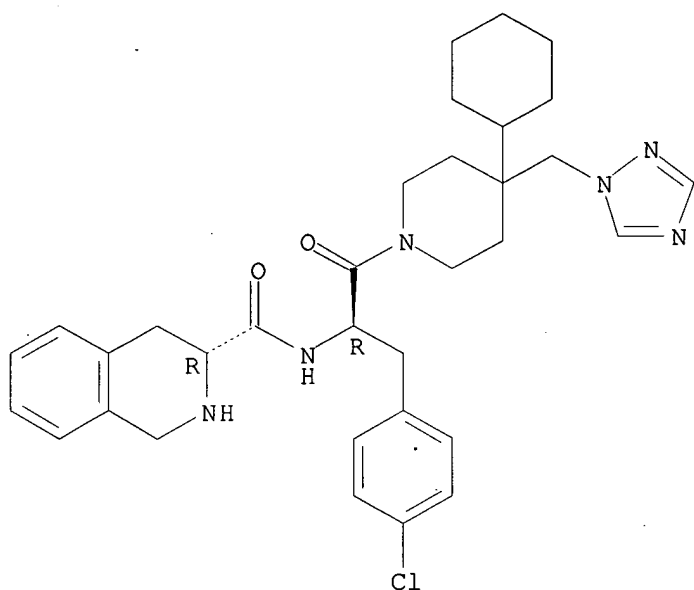
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CRN 312637-48-2

CMF C33 H41 Cl N6 O2

Absolute stereochemistry.

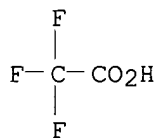
09/990,499



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 312637-81-3 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3S)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

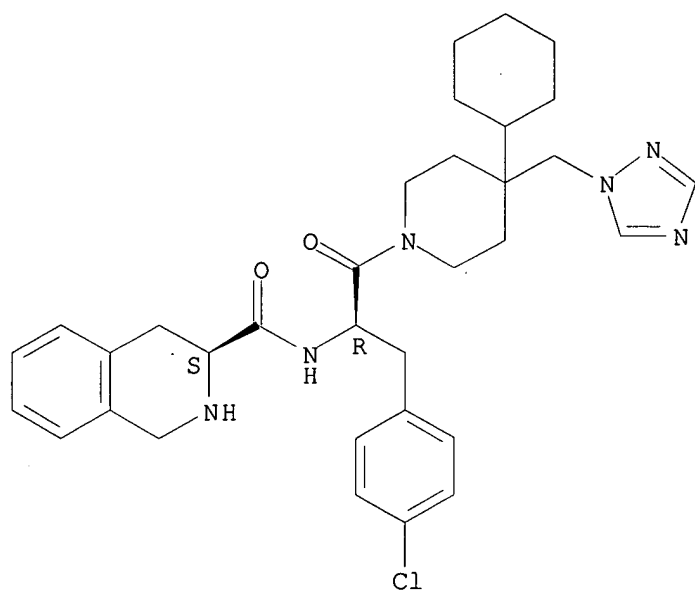
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CRN 312637-80-2

CMF C33 H41 Cl N6 O2

Absolute stereochemistry.

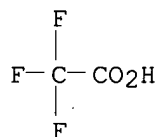
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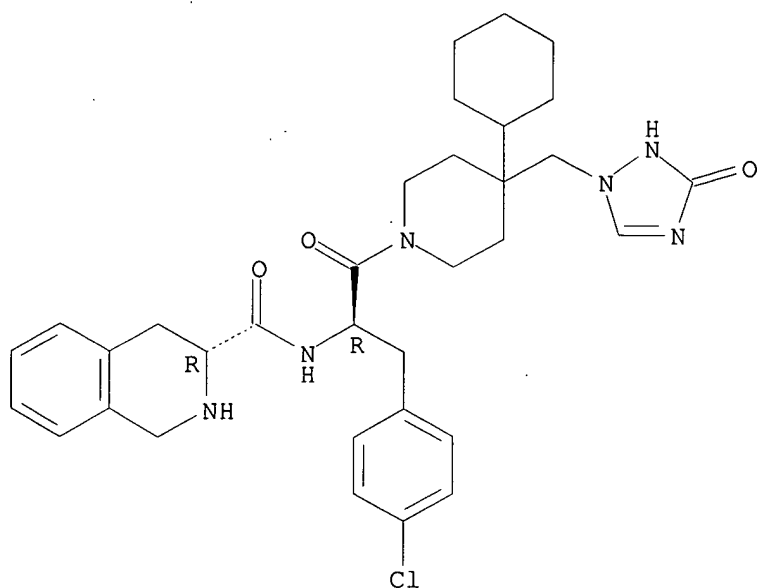
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RN 312639-77-3 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[(2,3-dihydro-3-oxo-1H-1,2,4-triazol-1-yl)methyl]-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

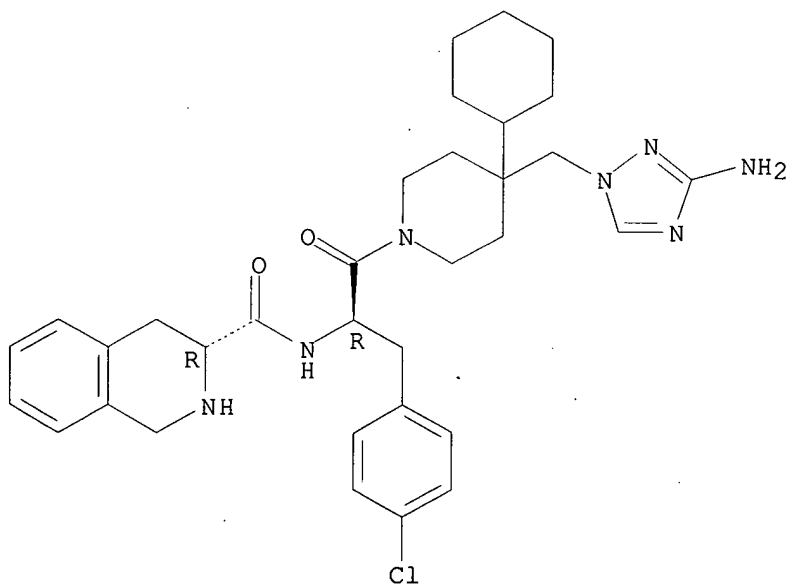
Absolute stereochemistry.



RN 312639-78-4 CA

CN 3-Isoquinolinecarboxamide, N-[(1R)-2-{4-[(3-amino-1H-1,2,4-triazol-1-yl)methyl]-4-cyclohexyl-1-piperidinyl}-1-[(4-chlorophenyl)methyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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09/990,499

=> s 11 full

L5 1 SEA SSS FUL L1

=> d ibib abs fqhit

L5 ANSWER 1 OF 1 MARPAT COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 134:42445 MARPAT

TITLE: Preparation of piperidine amino acid derivatives as melanocortin-4 receptor agonists

INVENTOR(S): Bakshi, Raman K.; Barakat, Khaled J.; Nargund, Ravi P.; Palucki, Brenda L.; Patchett, Arthur A.; Sebhat, Iyassu; Ye, Zhixiong; Van, Der Ploeg Leonardus H. T.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA; Van Der Ploeg, Leonardus H. T.

SOURCE: PCT Int. Appl., 124 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

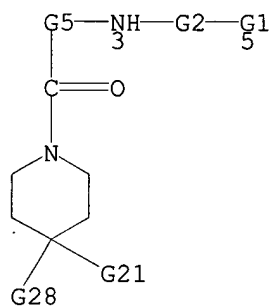
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1187614	A1	20020320	EP 2000-937961	20000531
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2003505435	T2	20030212	JP 2001-512328	20000531
US 6350760	B1	20020226	US 2000-585111	20000601
US 2002137664	A1	20020926	US 2001-990499	20011121
PRIORITY APPLN. INFO.:			US 1999-137477P	19990604
			US 1999-169209P	19991202
			WO 2000-US14930	20000531
			US 2000-585111	20000601

GI

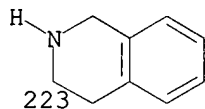
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Piperidine derivs. I [R2C2 = aryl, 5- or 6-membered heteroaryl or heterocyclyl, 5- to 7-membered carbocyclyl, which may be substituted; L = (CRb2)m, where Rb = H, alkyl, (CH2)n-cycloalkyl or -aryl; m = 0-2, n = 0-3; X, Y = (CH2)0-2; Ra = H, alkyl, (CH2)n-cycloalkyl, -aryl, -heteroaryl, -O(CH2Rb)n-aryl, which may be substituted; Re = H, alkyl, (CH2)n-aryl, -cycloalkyl, -heteroaryl, which may be substituted, acyl, sulfonyl, etc.; R1 = H, alkyl, (CH2)n-cycloalkyl, -aryl, -heteroaryl, -heterocyclyl; R2 = any group given for R1, CN, (CH2)n-carboxamido, -carboxy, -acylamino, sulfonylamino, -amino, etc.] were prepd. as agonists of the human melanocortin receptors, in particular, the human melanocortin-4 receptor (MC-4R). They are therefore useful for the

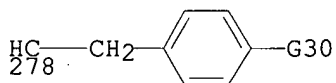
treatment, control, or prevention of diseases and disorders responsive to the activation of MC-4R, such as obesity, diabetes, sexual dysfunction, including erectile dysfunction and female sexual dysfunction. Thus, II trifluoroacetate, prepd. by coupling of Et 1-(D-4-chlorophenylalanyl)-4-cyclohexyl-4-[(1,2,4-triazol-1-yl)methyl]piperidine trifluoroacetate (prepn. given) with N-tert-butoxycarbonyl-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid (Boc-D-Tic), was > 2,200-fold, > 10,000-fold, and > 580-fold selective for the human MC-4R over human MC-1R, MC-2R, and MC-3R, resp.

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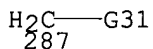
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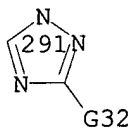
G2 = C(O)
G5 = 278



G21 = 287



G28 = cyclohexyl
G30 = Cl
G31 = 291



MPL: claim 1

09/990,499

NTE: or pharmaceutically acceptable salts
NTE: substitution is restricted

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file uspatfull

=> s l3
L6 2 L3

=> d ibib abs hitstr 1-2

L6 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:251711 USPATFULL

TITLE: Substituted piperidines as melanocortin-4 receptor
agonists

INVENTOR(S): Bakshi, Raman K., Edison, NJ, UNITED STATES
Barakat, Khaled J., Brooklyn, NY, UNITED STATES
Nargund, Ravi P., East Brunswick, NJ, UNITED STATES
Palucki, Brenda L., Belle Mead, NJ, UNITED STATES
Patchett, Arthur A., Westfield, NJ, UNITED STATES
Sebhat, Iyassu, Hoboken, NJ, UNITED STATES
Ye, Zhixiong, Princeton, NJ, UNITED STATES
Van Der Ploeg, Leonardus H.T., Scotch Plains, NJ,
UNITED STATES

PATENT ASSIGNEE(S): Merck & Co., Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002137664	A1	20020926
APPLICATION INFO.:	US 2001-990499	A1	20011121 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-585111, filed on 1 Jun 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-137477P	19990604 (60)
	US 1999-169209P	19991202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MERCK AND CO INC, P O BOX 2000, RAHWAY, NJ, 070650907	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	26	
LINE COUNT:	2640	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Certain novel substituted piperidine compounds are agonists of the human melanocortin receptor(s) and, in particular, are selective agonists of the human melanocortin-4 receptor (MC-4R). They are therefore useful for the treatment, control, or prevention of diseases and disorders responsive to the activation of MC-4R, such as obesity, diabetes, sexual dysfunction, including erectile dysfunction and female sexual dysfunction. Also provided are methods of treating sexual dysfunction with a compound that is a selective agonist of MC-4R over any other human melanocortin receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 312637-48-2P 312637-49-3P 312637-81-3P
312639-77-3P 312639-78-4P

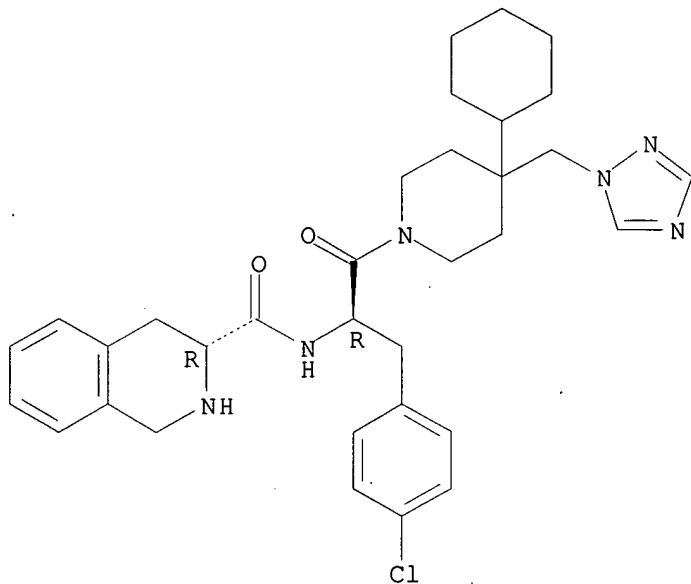
09/990,499

(prepn. of piperidine amino acid derivs. as melanocortin-4 receptor agonists)

RN 312637-48-2 USPTAFULL

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 312637-49-3 USPTAFULL

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

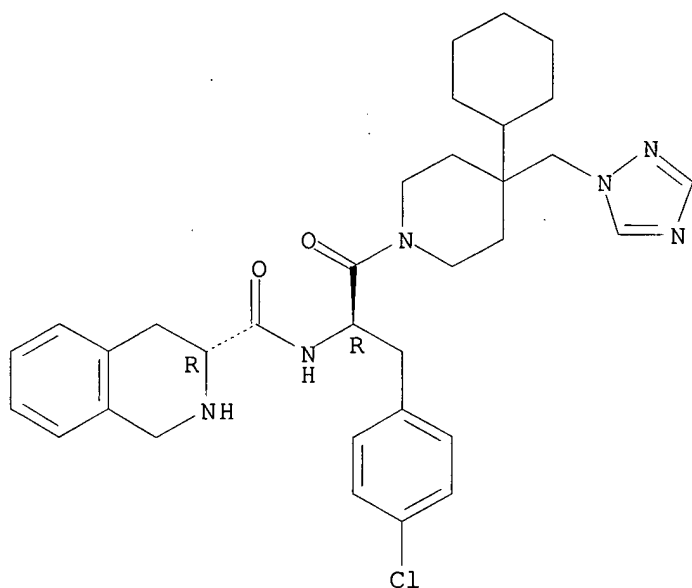
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CMF C33 H41 Cl N6 O2

Absolute stereochemistry.

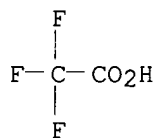
09/990,499



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 312637-81-3 USPATFULL

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3S)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

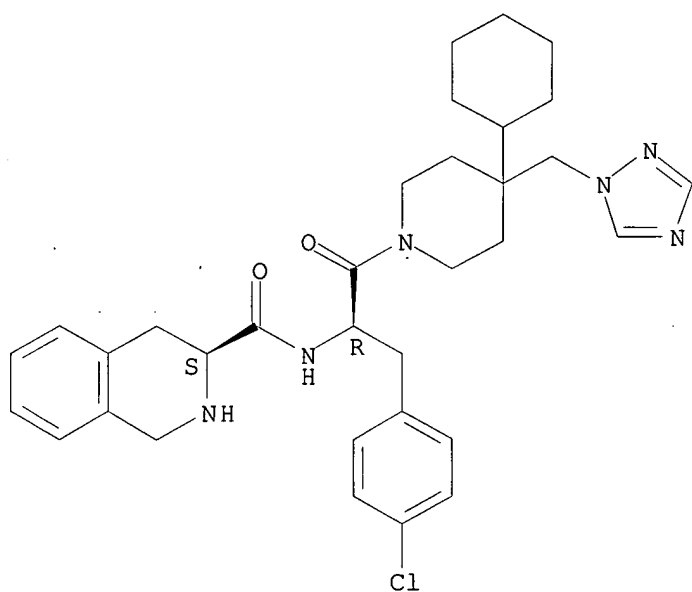
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CRN 312637-80-2

CMF C33 H41 Cl N6 O2

Absolute stereochemistry.

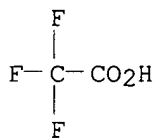
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CRN 76-05-1

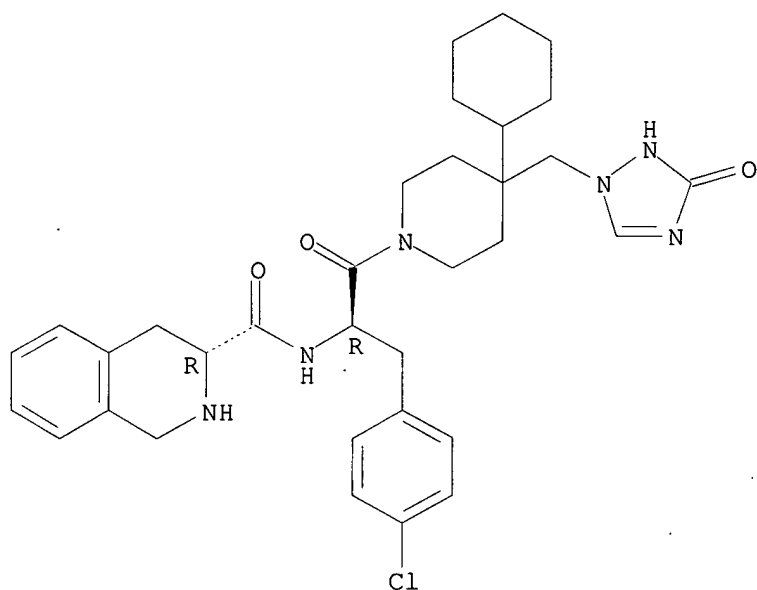
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RN 312639-77-3 USPATFULL

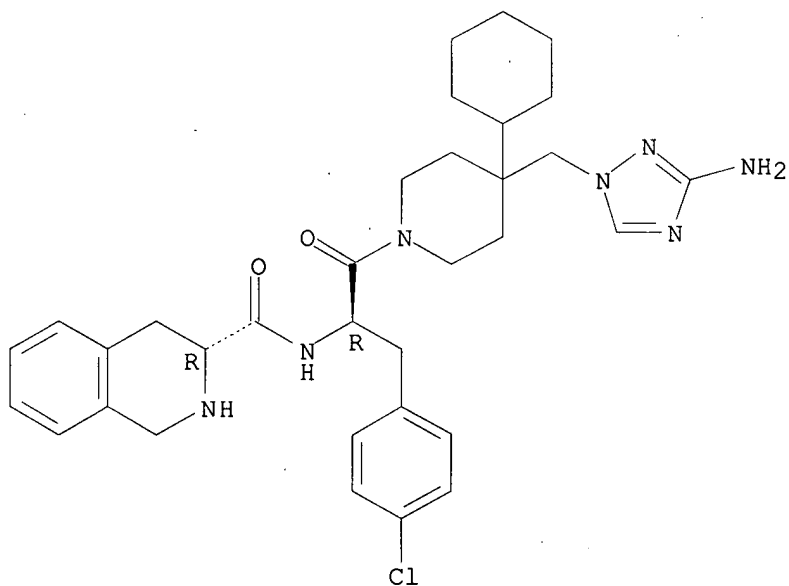
CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[(2,3-dihydro-3-oxo-1H-1,2,4-triazol-1-yl)methyl]-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 312639-78-4 USPATFULL
 CN 3-Isoquinolinecarboxamide, N-[(1R)-2-[4-[(3-amino-1H-1,2,4-triazol-1-yl)methyl]-4-cyclohexyl-1-piperidinyl]-1-[(4-chlorophenyl)methyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 2 OF 2 USPATFULL on STN
 ACCESSION NUMBER: 2002:39935 USPATFULL
 TITLE: Substituted piperidines as melanocortin-4 receptor agonists
 INVENTOR(S): Bakshi, Raman K., Edison, NJ, United States

Barakat, Khaled J., Brooklyn, NY, United States
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 Van Der Ploeg, Leonardus H. T., Scotch Plains, NJ,
 United States
 PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6350760	B1	20020226
APPLICATION INFO.:	US 2000-585111		20000601 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-137477P	19990604 (60)
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DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Seaman, D. Margaret	
LEGAL REPRESENTATIVE:	Durette, Philippe L., Winokur, Melvin	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	2550	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Certain novel substituted piperidine compounds are agonists of the human melanocortin receptor(s) and, in particular, are selective agonists of the human melanocortin-4 receptor (MC-4R). They are therefore useful for the treatment, control, or prevention of diseases and disorders responsive to the activation of MC-4R, such as obesity, diabetes, sexual dysfunction, including erectile dysfunction and female sexual dysfunction. Also provided are methods of treating sexual dysfunction with a compound that is a selective agonist of MC-4R over any other human melanocortin receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

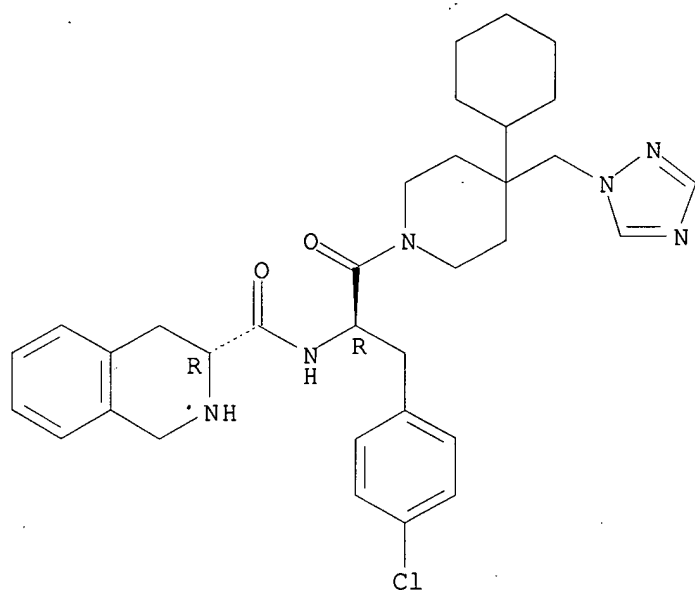
IT 312637-48-2P 312637-49-3P 312637-81-3P
 312639-77-3P 312639-78-4P

(prepn. of piperidine amino acid derivs. as melanocortin-4 receptor agonists)

RN 312637-48-2 USPATFULL

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 312637-49-3 USPATFULL

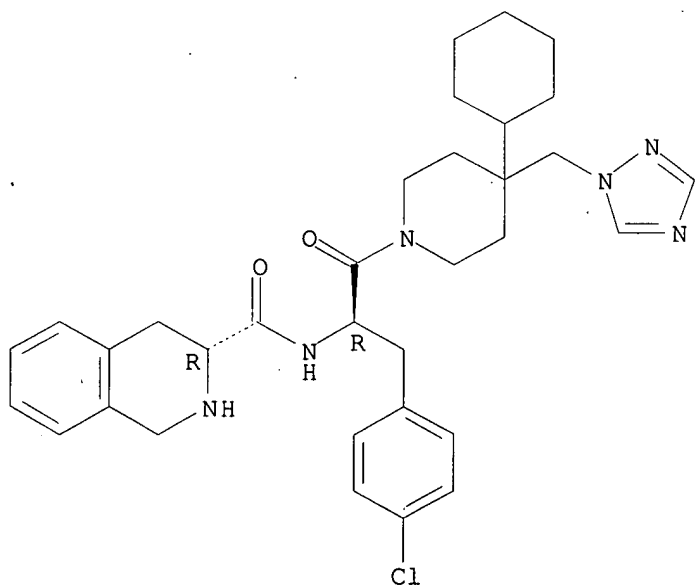
CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 312637-48-2

CMF C33 H41 Cl N6 O2

Absolute stereochemistry.

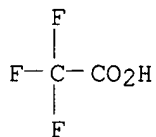


09/990,499

CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 312637-81-3 USPATFULL

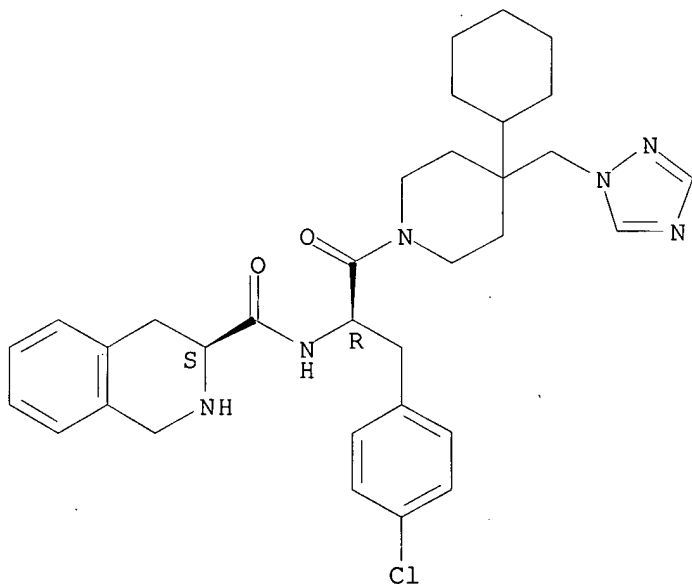
CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3S)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 312637-80-2

CMF C33 H41 Cl N6 O2

Absolute stereochemistry.

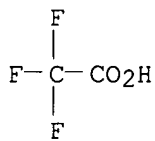


CM 2

CRN 76-05-1

CMF C2 H F3 O2

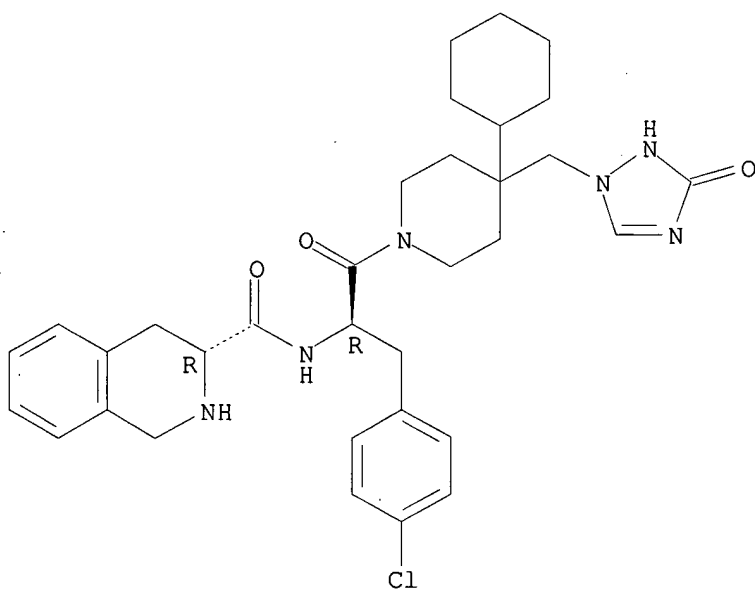
09/990,499



RN 312639-77-3 USPATFULL

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[(2,3-dihydro-3-oxo-1H-1,2,4-triazol-1-yl)methyl]-1-piperidinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

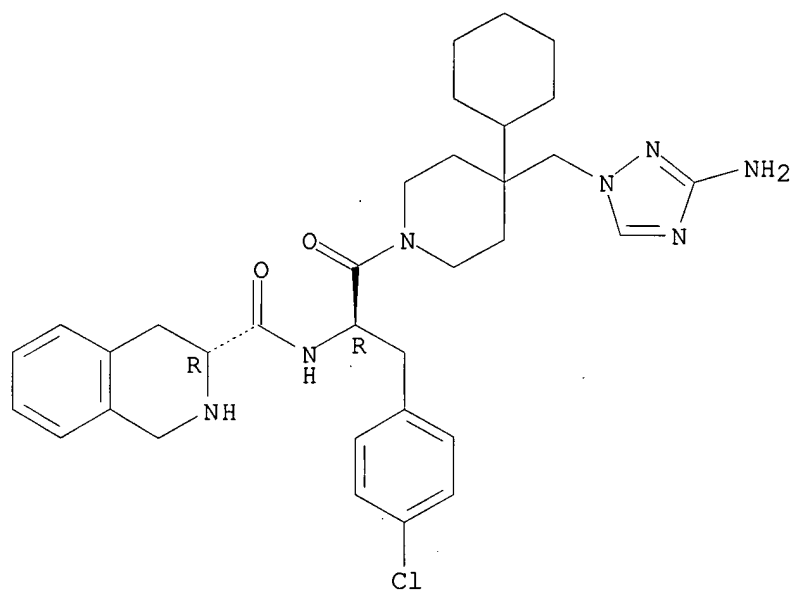


RN 312639-78-4 USPATFULL

CN 3-Isoquinolinecarboxamide, N-[(1R)-2-[4-[(3-amino-1H-1,2,4-triazol-1-yl)methyl]-4-cyclohexyl-1-piperidinyl]-1-[(4-chlorophenyl)methyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

09/990,499



=> d his

(FILE 'HOME' ENTERED AT 13:21:19 ON 19 AUG 2003)

FILE 'REGISTRY' ENTERED AT 13:21:24 ON 19 AUG 2003

L1 STRUCTURE UPLOADED

L2 0 S L1 SAM

L3 8 S L1 FULL

FILE 'CA' ENTERED AT 13:22:40 ON 19 AUG 2003

L4 2 S L3 FULL

FILE 'MARPAT' ENTERED AT 13:23:01 ON 19 AUG 2003

L5 1 S L1 FULL

FILE 'USPATFULL' ENTERED AT 13:23:26 ON 19 AUG 2003

L6 2 S L3

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---Logging off of STN---

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Executing the logoff script...

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STN INTERNATIONAL LOGOFF AT 13:23:44 ON 19 AUG 2003